

SYLLABUS: Pre-Calculus 12B

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Virtual Classroom: <https://brainstick.wikispaces.com>

Texts: *Pre-Calculus 12, McGraw-Hill Ryerson*
Pre-Calculus 11, McGraw-Hill Ryerson



Essential Materials: scientific calculator, math-set, graph paper

Units of Study:

Chapter 1 Pre-Cal 11: Sequences & Series

Supplementary Material: Limits

Chapter 3 Pre-Cal 12: Polynomial Functions

Chapter 2 Pre-Cal 12: Radical Functions

Chapter 9 Pre-Cal 12: Rational Functions

Chapter 7.4 Pre-Cal 11: Reciprocal of Linear & Quadratic Functions

Supplementary Material: Definition of a Derivative, Power, Product, Quotient and Chain Rules

Chapter 11 Pre-Cal 12: Fundamental Counting, Permutations, Combinations & Binomial Expansion

Assessment:

20% Magnum Opus - Includes FUNCTION TOOL KIT PROJECT

50% Tests

30% Exam

- ❖ The **Magnum Opus* includes specific questions and problems from daily work as well as more formal assignments. It is evaluated for content, timeliness and format.
- ❖ Final exam mark can replace test mark.
- ❖ All assessment is subject to attendance consideration.
- ❖ Summative assessments missed for nonmedical reasons may lose a minimum of 40%.
- ❖ Students applying for an exemption must have a complete Magnum Opus.